



PATENT  
Docket No. 514542001000

## DECLARATION FOR UTILITY PATENT APPLICATION

AS BELOW-NAMED INVENTORS, WE HEREBY DECLARE THAT:

Our residences, post office addresses, and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled: APPARATUS AND METHOD FOR DROPLET STEERING, the specification of which is attached hereto unless the following box is checked:

was filed on December 6, 2001 as United States Application Serial No. 10/006,489.

WE HEREBY STATE THAT WE HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE.

We acknowledge the duty to disclose information which is material to the patentability as defined in 37 C.F.R. § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application No.	Country	Date of Filing (day/month/year)	Priority Claimed?
			<input type="checkbox"/> Yes <input type="checkbox"/> No

We hereby claim benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date
60/348,429	October 29, 2001

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We hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to

patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status
		<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

02-11-02

Date



Name: Roger O. WILLIAMS  
Residence: 4678 E. Foothill Drive, Paradise Valley, Arizona 85253  
Citizenship: United States of America  
Post Office Address: 4678 E. Foothill Drive, Paradise Valley, Arizona 85253

02-11-02

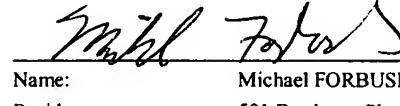
Date



Name: Michael VAN TUYL  
Residence: 394 Sunpark Drive, San Jose, California 95136  
Citizenship: United States of America  
Post Office Address: 394 Sunpark Drive, San Jose, California 95136

02-11-02

Date



Name: Michael FORBUSH  
Residence: 591 Bordeaux Place, Hollister, California 95023  
Citizenship: United States of America  
Post Office Address: 591 Bordeaux Place, Hollister, California 95023

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

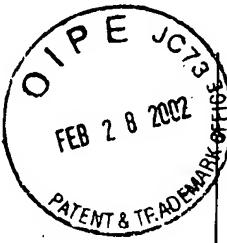
In the application of:

Roger O. WILLIAMS et al.

Serial No.: 10/006,489

Filing Date: December 6, 2001

For: APPARATUS AND METHOD FOR  
DROPLET STEERING



Examiner: To Be Assigned

Group Art Unit: 3753

**PROSECUTION BY ASSIGNEE AND POWER OF ATTORNEY  
UNDER 37 C.F.R. § 3.71**

Box Missing Parts  
Assistant Commissioner for Patents  
Washington, D.C. 20231

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Dear Sir:

EDC Biosystems, Inc., the assignee of the entire right, title and interest in this patent application, under 37 C.F.R. § 3.71 hereby appoints:

Lisa A. Amii (Reg No. 48,199)  
Mehran Arjomand (Reg No. 48,231)  
Sanjay S. Bagade (Reg No. 42,280)  
Shantanu Basu (Reg No. 43,318)  
Vincent J. Belusko (Reg No. 30,820)  
Kimberly A. Bolin (Reg No. 44,546)  
Tyler S. Brown (Reg No. 36,465)  
A. Randall Camacho (Reg No. 46,595)  
Robert K. Cerpa (Reg No. 39,933)  
Alex Chartove (Reg No. 31,942)  
Thomas E. Ciotti (Reg No. 21,013)  
Matthew M. D'Amore (Reg No. 42,457)  
Peter Davis (Reg No. 36,119)  
Karen B. Dow (Reg No. 29,684)  
Carolyn A. Favorito (Reg No. 39,183)  
Hector Gallegos (Reg No. 40,614)  
Deborah S. Gladstein (Reg No. 43,636)  
Kenneth R. Glick (Reg No. 28,612)  
Johny U. Han (Reg No. 45,565)  
Alan S. Hodes (Reg No. 38,185)  
Kelvan P. Howard (Reg No. P48,999)  
Wayne Jaeschke, Jr. (Reg No. 38,503)

Randolph Ted Apple (Reg No. 36,429)  
Laurie A. Axford (Reg No. 35,053)  
Erwin J. Basinski (Reg No. 34,773)  
Richard R. Batt (Reg No. 43,485)  
Jonathan Bockman (Reg No. 45,640)  
Barry E. Bretschneider (Reg No. 28,055)  
Nicholas Buffinger (Reg No. 39,124)  
Mark R. Carter (Reg No. 39,131)  
Peng Chen (Reg No. 43,543)  
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Raj S. Davé (Reg No. 42,465)  
David Devernoe (Reg No. P-50,128)  
Stephen C. Durant (Reg No. 31,506)  
David L. Fehrman (Reg No. 28,600)  
Thomas George (Reg No. 45,740)  
Debra J. Glaister (Reg No. 33,888)  
Bruce D. Grant (Reg No. 47,608)  
Douglas G. Hodder (Reg No. 41,840)  
Charles D. Holland (Reg No. 35,196)  
Jill A. Jacobson (Reg No. 40,030)  
Madeline I. Johnston (Reg No. 36,174)

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**STATEMENT UNDER 37 CFR 3.73(b)****COPY OF PAPERS  
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Applicant/Patent Owner: Roger O. WILLIAMS et al.

Application No./Patent No.: 10/006,489

Filed/Issue Date: December 6, 2001

Entitled: APPARATUS AND METHOD FOR DROPLET STEERING

EDC Biosystems, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.

The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A. [X] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[ ] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

02-11-2002

Date

Roger O. Williams

Name

Roger O. Williams

Signature

President, C.E.O.

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Attorney Docket No.: 514542001000

pa-663748

ASSIGNMENT  
JOINT

COPY

THIS ASSIGNMENT, by Roger O. WILLIAMS, Michael VAN TUYL and Michael FORBUSH (hereinafter referred to as the assignors), residing at 4678 E. Foothill Drive, Paradise Valley, Arizona 85253, 394 Sunpark Place, San Jose, California 95136 and 591 Bordeaux Place, Hollister, California 95023, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in APPARATUS AND METHOD FOR DROPLET STEERING, set forth in an application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; bearing Serial No. 10/006,489 and filed on December 6, 2001; and

WHEREAS, EDC Biosystems, Inc., a corporation duly organized under and pursuant to the laws of California and having its principal place of business at 871 Fox Lane, San Jose, California 95131 is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

02-11-02

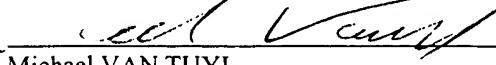
Date



Roger O. WILLIAMS

02-11-02

Date



Michael VAN TUYL

02-11-02

Date



Michael FORBUSH

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

**COPY**

State of California

County of Santa Clara

} ss.

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On Feb 11, 2002 before me, Betty Fong, personally appeared Roger O. Williams, Michael Van Tuyl, and Michael Forbush proved to me on the basis of satisfactory evidence to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.

Signature Betty Fong 2/11/2002

(Seal)



----- OPTIONAL -----

## Description of Attached Document

Title of Type of Document: Joint Assignment for US Patent Application 10/006,489

Document Date: January 31, 2002

Signer(s) Other Than Named Above: none

## Capacities Claimed by Signer N/A

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer – Title(s): \_\_\_\_\_
- Partner – Limited \_\_\_\_\_ or General \_\_\_\_\_
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

Signer is representing: \_\_\_\_\_